

Query Match 22.7%; Score 682.5; DB 5; Length 308;

[illegible][illegible]

Qy 398 RLMDDREFVLEAFYANSGVLINIRIDRYKRRKGDAWNGKTSLYSOPFYGYEFGYKKCAR 457
::: ::::
Db 352 AMAIDIEQVRFPQACCGHRCSCFLASILRLKQAGAVAGRIPATFSPAFYTSRGTGKMCJR 411
:
Qy 458 VYLNDGDKGKCTHLSTLFVIMRGSEYDALLPPEFKOKVTMLMDGSSRRHLDGAFFKPDPN 517
:
Db 412 IYLNMGDTGRCTHLSLTFPVVMKGNDAALLRPFEKQKVTMLMIDO -NNREHYIDAERFDYT 470
:
Qy 518 SSSFKEPKPTGENNIASGGCPVFVAQTGLE -NGTYIKMD 552
:
Db 471 SSFQRPNVDNMIASGCPLFCPPVSCKMEKKNSYADD 506

```

RESULT 7
US-09-724-676A-53796
: Sequence 53796, Application US/09724676A
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724_676A
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ. ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 53796
: LENGTH: 536
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-724-676A-53796

```

Query Match	22.0%	Score 660.5;	DB 5,	Length 536;
Best Local Similarity	32.4%	Pred. No. 6.2e-54;		
Matches 167; Conservative	82;	Mismatches 170;	Indels 97;	Gaps 20;

QY	63	KPQTECGRRFEESOMAAIISSSSPKTAC-QESTVKKV-----FKNOCKREIALL	113
Db	62	PFOACGGRRYCSFCIIASTIISSPGONCAACVHEGIIYERIGISTLESSAPFDMAAKGVESL	121
QY	114	QIYCNRNEBRCGAEOITLGHLLVHLKNDCHFEELCVR---PDCEKYLRLDRPHVAKAC	170
Db	122	PAYC--PBDGCTWKTLEY-----ESCHERCJLMLTECPACKGLYLRGEKERHLEHEC	174
QY	171	KYREATCSHCKSOYPMIALQKHEDTDCPVVVSCPHKCSVOFTLLRSELASHLSECVNAPS	230
Db	175	PERSLSCHRNACPOCGADVKNHBY-CPKPLTC-DGGKKKKIIPREKFDHVHTCGKCRV	232
QY	231	TCSFKRYCV--FOGTNOQIKAHBSASVQVHVLTKEMSLSLEK-----VSLQ	278
Db	233	PCRFALHAICTEIVGEKKQ--EHEQWMLREHILML--LSVLEAKPLIGDSHAGSEILO	288
QY	279	N-ESEKKNKSIOSLHNOJCSFEIEERQKELRNNEKSLIHLQAVDSOAEKLELKEI	337
Db	289	RCESELEKETA--TEENTVCVLNREVER-----VAMTAEACS-----	322
QY	338	RPRFNRMEADSMKSVESLONRTELESVDKSAGQVARNITGLLESOLSRHDMLSYHDI	397
Db	323	---RQHRLDQD---KIEALSCKVQGLE-----RSLGL-----KDL	351
QY	398	RLADMDLFFQVLETAASYNGVILIMKIRDKRRKROBAVNGKTLISYSQPPYTGEGYKCAR	457
Db	352	AMADLEQKVPFOACGGRRYCSFCIIASTILRKLQEAVAAGRIIPSPAFSRVYKCMCLR	411
QY	458	YTLNDGKGKGTHTSLFVYIKRGEYDALLPRPFQOKXTYLMIMDQSSRHLHGDAPKDPN	517
Db	412	IYLNNDGGRGRTHTSLFVYVWKGENDALLRPFQOKXTYLMILDD--NNREHIAFPRDVT	470
QY	518	SSSFFKPTGEMNIASGCPVFAQVLE--NGYIIDD	552
Db	471	SSSFRPVPNDMIASGCPLECPVSSMEKKNISYVDD	506

RESULT 8
US-10-283-500-2

Sequence 2 Application US/10283500
GENERAL INFORMATION:
APPLICANT: Goeddel, David V.
Roche, Mike
TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/283,500
FILING DATE: 30-Oct-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/779,599
FILING DATE: 07-Jan-1997
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0897C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 409 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-283-500-2

Query Match	Similarity	20.9%	Score 628:	DB 6:	Length 409;
Best Local	Similarity	36.6%	Pred. No. 4.9e-51:		
Matches 154:	Conservative	69;	Mismatches 120;	Indels 70;	Gaps 13;
QY	173	REATCSHCKSOYPMATLQKHEDTDCPCVVCSPHKCSQVTLTSELSAHLSECVNAPSTC	232		
Db	28	RVLCTACLSL-----NLNRDEDRIKPCKRADLHPVSPSPLTQE-KVH-SDVAEAEIIC	81		
QY	233	SKRRGCVFQGINQIKAHFASSAVQHNLT-----LKEMSNS-----LEKKVSLT	277		
Db	82	PFAGVGCSEFGKSPQMOEBEATSSQSHLYLLAVLTKEMKSSNGMIGSAPMALLENLSLT	141		
QY	278	QNESVEKNKMSISLHNOJCSFEIEIEROKEMLRNNEISKILHFORVIDSQAEK-LKELDKE	336		
Db	142	Q-----LQAAVEATGDLVEDDCYRAPCCSQGBELALQHLVK-----EKTLAQLEBK	186		
QY	337	IRPFQNNMEADSMKSSVESLONRYTELESVDKSGQVARTNGTGLLESQLSRH-----	388		
Db	187	LKVF-----ANTVAVALNKEVE-----ASHLALASIHQSQDRRHLLSLEOR	228		
QY	389	----DOMLSVHDIRLADMDLRFQVLEFASVSYNGVILMKIKIDYRRKROEAVMGKTLISYSP	444		
Db	229	VEVLOQTTLAQKDOVLGKLEHSLRLMEEASFDTPLMKITNTYKROHESVCGTVALISFSPA	288		
QY	445	FYTGYEGYKMCARVYLINADGMGKTHLSLFVYIMGEYDALLPWPFPKQVTLMLMDGSS	504		
Db	289	FYTATGYKRLCLRLTLNGDSGSKTHLSLFTVIMGEYDALLPWPFPKRVTFMLMDQ--NN	347		
QY	505	RHHLDARKPRPDNSSFFKKPTGEMNIASGCPFEVAQVLEEN--GYIKDDTFFIYVDE	562		
Db	348	RHHALDARKPRDLSASFQPSQSELTVAASCPLEFFPLSKIQSGKHAAYKQDTLFLCLCYDT	407		

NUMBER OF SEQ ID NOS: 16
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 10
 LENGTH: 46
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: fragment
 US-09-716-536-10

Query Match 8.3%; Score 249; DB 5; Length 46;
 Best Local Similarity 95.7%; Pred. No. 1,2e-16;
 Matches 44; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 50 KYKCEKHLVLCSPKQTECGHRCFESCMALLSSSPKCTACQESI 95
 Db 1 KYKCEKRLVLCNPKQTECGHRCFESCMALLSSSPKCTACQESI 46

RESULT 12
 US-10-197-666A-116
 ; Sequence 116, Application US/10197666A
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSIKI KAISYA
 ; TITLE OF INVENTION: Elki phosphorylation related gene
 ; FILE REFERENCE: PH-1548US
 ; CURRENT APPLICATION NUMBER: US/10/197,666A
 ; PRIOR FILING DATE: 2002-11-18
 ; PRIOR APPLICATION NUMBER: JP 2001-218204
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: JP 2001-263450
 ; PRIOR FILING DATE: 2001-08-31
 ; PRIOR APPLICATION NUMBER: JP 2002-012176
 ; PRIOR FILING DATE: 2002-01-21
 ; PRIOR APPLICATION NUMBER: US 60/305,884
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: US 60/316,304
 ; PRIOR FILING DATE: 2001-09-04
 ; PRIOR APPLICATION NUMBER: US 60/350,027
 ; PRIOR FILING DATE: 2002-01-23
 ; NUMBER OF SEQ ID NOS: 156
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 116
 ; LENGTH: 631
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-197-666A-116

Query Match 7.1%; Score 212.5; DB 6; Length 631;
 Best Local Similarity 21.3%; Pred. No. 1.4e-11;
 Matches 102; Conservative 52; Mismatches 166; Indels 159; Gaps 19;

QY 4 SKKMDSPGALQTNPLKLTDRSAGTPVFPV--BGGYKKEKFTVDEKXCEKCHLYL 60
 Db 44 TYAADGTGYKOH---RRTPESSSTFLAYSPDEEDGMPLVFAOPSVKLCQCCSVF 99
 QY 61 CSPKQTECGHRCFESCMALLSSSPKCTACQESIYKDKVFKNCKCKREI 120
 Db 100 KDPVITTCGHTFCRRC---ALKSEKCV-----DN-AKLTVVNNI----- 136
 QY 121 SRGCAEQLTGLHLLVHLKNDCH-----FEELPCVAPDCKEYLRKDLRDEHACK 171
 Db 137 --AVAAQ--IGELFHCRGHGHAAGTGRKGVFEYDP--RGCPFTIKLSARKDH-ESSCD 188
 QY 172 YREATCSHCKSOVPMIALOKHEDTDCPCVVVSCPHKCSVQTLRLSELNHLSECVNAPST 231
 Db 189 YRP-----VRCPNNPSCPLLKMLNLAHLEKECHI--K 219
 QY 232 CSKRKYGCVFOGNTQOIKAHSSAVOHVNLKEMNSLEKKVSLLONSVEKNSIOSL 291
 Db 220 CPHSKTGCFTIG-----NODTYET 238
 QY 292 HNOICFEIEIEROKEMLRNNESKILHLQRVIDSQAELKELDKETRPROMWEADSMK 351

Db 239 HLETCRF---EGKLEFLQOSDDR-FHEMHV-----ALAKQDOETA-----FLR 277
 QY 352 SSVESLQNRTELE-SYDKSAGVARNITGLLESQLSRHQOMLSYHDIRLADMLRFOYLE 410
 Db 278 SMGLKLEKINOLEKLEKFDVLIDENOSKLESDIMEFRDASMLNDELINARLNKI 337
 QY 411 TASYNGVLWKIRDYKRRKQEAVMGKTLISQPFYTGFGYKMCARVYLNDGMGKGT 469
 Db 338 LGSYDPOQIFKCKG-----FTVGHQGPVWCICVYSMGDLLEFGS 376

RESULT 13
 US-10-197-666A-114
 ; Sequence 114, Application US/10197666A
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSIKI KAISYA
 ; TITLE OF INVENTION: Elki phosphorylation related gene
 ; FILE REFERENCE: PH-1548US
 ; CURRENT APPLICATION NUMBER: US/10/197,666A
 ; PRIOR FILING DATE: 2002-11-18
 ; PRIOR APPLICATION NUMBER: JP 2001-218204
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: JP 2001-263450
 ; PRIOR FILING DATE: 2001-08-31
 ; PRIOR APPLICATION NUMBER: JP 2002-012176
 ; PRIOR FILING DATE: 2002-01-21
 ; PRIOR APPLICATION NUMBER: US 60/305,884
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: US 60/316,304
 ; PRIOR FILING DATE: 2001-09-04
 ; PRIOR APPLICATION NUMBER: US 60/350,027
 ; PRIOR FILING DATE: 2002-01-23
 ; NUMBER OF SEQ ID NOS: 156
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 114
 ; LENGTH: 670
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-197-666A-114

Query Match 7.0%; Score 209.5; DB 6; Length 670;
 Best Local Similarity 21.1%; Pred. No. 2.9e-11;
 Matches 103; Conservative 54; Mismatches 167; Indels 165; Gaps 20;

QY 4 SKKMDSPGALQTNPLK-----LHTRDSAG--TPVFPVPGQYKKEKFTVDEKXK 52
 Db 69 SPDEEDGMPIINTPRSDASISVSLHSSMSLRSTFSLPEEBEPRLVFAEQPSVK 128
 QY 53 --CEKCHLVLCSPKQTECGHRCFESCMALLSSSPKCTACQESIYKDKVFKNCKCKREI 110
 Db 129 LCCQLCCSVFADPVITTCGHTFCRRC---ALKSEKCV-----DN-AKLTV 170
 QY 111 LAIDITCRNESCAGAEQLTGLHLLVHLKNDCH-----FEELPCVAPDCKEYLRKDL 161
 Db 171 VVNNI-----AVAEQ--IGELFHCRGHGHAAGTGRKGVFEYDP--RGCPFTIKLSA 218
 QY 162 LRDEHACKYREATCSHCKSOVPMIALOKHEDTDCPCVVVSCPHKCSVQTLRLSELNHL 221
 Db 219 RKDH-ESSCDYRP-----VRCPNNPSCPLLKMLNLAHLEKECHI--K 250
 QY 222 LSECVNAPSTCSFKRYGCVFOGNTQOIKAHSSAVOHVNLKEMNSLEKKVSLLONS 281
 Db 251 LKECEHI--KCPHSHKYGCTFTIG----- 270
 QY 282 VEKKNSTIOSLANQICFEIEIEROKEMLRNNESKILHLQRVIDSQAELKELDKETRP 341
 Db 271 ---NODTYETLTCRF---EGKLEFLQOTDR-FHEMHV-----ALAKQDOETA--- 313
 QY 342 QNMWEADSMKSSVESLQNRTELE-SYDKSAGVARNITGLLESQLSRHQOMLSYHDIRLA 400
 Db 314 -----FLRSMGLKLEKIDQLEKLEKFDVLIDENOSKLESDIMEFRDASMLNDEL 366

QY 401 DMDLRFVLETSYNGVLYLIRKIDRYKRRKQAVMGKTLISYQPFYNGYKMCARVYL 460
 Db 367 HINARLNMGLIGSYDPOQIFKCKG-----TFVGHGQPVWCLCYVS 406
 QY 461 NGDGMGKGT 469
 Db 407 MGDLFFSGS 415

RESULT 14

US-10-197-666A-112
 ; Sequence 112, Application US/10197666A
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSIKI KAISYA
 ; TITLE OF INVENTION: Elki phosphorylation related gene
 ; FILE REFERENCE: PH-1548US
 ; CURRENT APPLICATION NUMBER: US/10/197,666A
 ; PRIORITY FILING DATE: 2002-11-18
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-08-31
 ; PRIORITY FILING DATE: 2002-01-21
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-09-04
 ; PRIORITY FILING DATE: 2002-01-23
 ; NUMBER OF SEQ ID NOS: 156
 ; SOFTWARE: Patentln Ver. 2.1
 ; SEQ ID NO 112
 ; LENGTH: 641
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-197-666A-112

Query Match 6.9%; Score 207.5; DB 6; Length 641;
 Best Local Similarity 21.1%; Pred. No. 4.2e-11;

Matches 100; Conservative 61; Mismatches 170; Indels 143; Gaps 19;

QY 1 MESSKKMDSGALQTNPLKIHDRSAG--TPVFPDGGYKREKVKYVEDKTK--CEKC 56
 Db 51 ISPPRSDSAISYRS-----LHSESMISRTSPSLPEEERPEPLVFAEDPSVKLCCLC 105
 QY 57 HVLVSPKOTEGHRCFSCMAALLSSSPKCTACOEIVKDKVKDCKCKREILAIQIY 116
 Db 106 CSYFKDPVITTCGHTFCRCR-----ALKSEKCPV-----DN-----VKLTIV 142
 QY 117 CRNESGCAEQLTGLHVLHNLKNDCHFEELPCVRPDCKEYVLRKDLRDHVEKACKYREAT 176
 Db 143 VNNIA--VAEQ--IGELFTCHRGCR-----VAGSGKPIFEVDPRG----- 180
 QY 177 CSHCKSQVPMIALQKHEDTDCPVVYVSCPHKCSVOTLRLSELSAHLSECVAAPSTCSFKR 236
 Db 181 ---CPTILTSARKDHESG--CDYRPVRCPPNNSCPPLRLMNLKCEHI--KCPHSK 234
 QY 237 YGCVPGTNOQIKAHBASAVOHVNLKEMNSLEKVSLLQNSVEKNKSIOGLHNOIC 296
 Db 235 YGCTFTG-----NQTYTEHLETC 253
 QY 297 SEIEIEROKEMLRNNESKILHLOVIDSOAEKLELDKEIRPRONMEADSKSSVES 356
 Db 254 RF-----EGKKEFLQOTDOR--FHEMHV-----ALAOKDOETA-----FLRSMIGK 292
 QY 357 LONRYTELE--SYDKSAGAVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFVLETSYN 415
 Db 293 LSEKIDOLEKSLLEKFDVLDENOSKLSIEDLMEFRDASMLNDELSHINARLNMGLIGSYD 352
 QY 416 GVLIRKIDRYKRRKQAVMGKTLISYQPFYNGYKMCARVYLNDGGMKGT 469
 Db 353 PQQIFKCKG-----TFVGHGQPVWCLCYVSMGDLFFSGS 386

RESULT 15

US-10-197-666A-150
 ; Sequence 150, Application US/10197666A
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSIKI KAISYA
 ; TITLE OF INVENTION: Elki phosphorylation related gene
 ; FILE REFERENCE: PH-1548US
 ; CURRENT APPLICATION NUMBER: US/10/197,666A
 ; PRIORITY FILING DATE: 2002-11-18
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-08-31
 ; PRIORITY FILING DATE: 2002-01-21
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-07-18
 ; PRIORITY FILING DATE: 2001-09-04
 ; PRIORITY FILING DATE: 2002-01-23
 ; NUMBER OF SEQ ID NOS: 156
 ; SOFTWARE: Patentln Ver. 2.1
 ; SEQ ID NO 150
 ; LENGTH: 670
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-197-666A-150

Query Match 6.9%; Score 207.5; DB 6; Length 670;
 Best Local Similarity 21.1%; Pred. No. 4.4e-11;

Matches 100; Conservative 61; Mismatches 170; Indels 143; Gaps 19;

QY 1 MESSKKMDSGALQTNPLKIHDRSAG--TPVFPDGGYKREKVKYVEDKTK--CEKC 56
 Db 80 ISPPRSDSAISYRS-----LHSESMISRTSPSLPEEERPEPLVFAEDPSVKLCCLC 134
 QY 57 HVLVSPKOTEGHRCFSCMAALLSSSPKCTACOEIVKDKVKDCKCKREILAIQIY 116
 Db 135 CSYFKDPVITTCGHTFCRCR-----ALKSEKCPV-----DN-----VKLTIV 171
 QY 117 CRNESGCAEQLTGLHVLHNLKNDCHFEELPCVRPDCKEYVLRKDLRDHVEKACKYREAT 176
 Db 172 VNNIA--VAEQ--IGELFTCHRGCR-----VAGSGKPIFEVDPRG----- 209
 QY 177 CSHCKSQVPMIALQKHEDTDCPVVYVSCPHKCSVOTLRLSELSAHLSECVAAPSTCSFKR 236
 Db 210 ---CPTILTSARKDHESG--CDYRPVRCPPNNSCPPLRLMNLKCEHI--KCPHSK 263
 QY 237 YGCVPGTNOQIKAHBASAVOHVNLKEMNSLEKVSLLQNSVEKNKSIOGLHNOIC 296
 Db 264 YGCTFTG-----NQTYTEHLETC 282
 QY 297 SEIEIEROKEMLRNNESKILHLOVIDSOAEKLELDKEIRPRONMEADSKSSVES 356
 Db 283 RF-----EGKKEFLQOTDOR--FHEMHV-----ALAOKDOETA-----FLRSMIGK 321
 QY 357 LONRYTELE--SYDKSAGAVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFVLETSYN 415
 Db 322 LSEKIDOLEKSLLEKFDVLDENOSKLSIEDLMEFRDASMLNDELSHINARLNMGLIGSYD 381
 QY 416 GVLIRKIDRYKRRKQAVMGKTLISYQPFYNGYKMCARVYLNDGGMKGT 469
 Db 382 PQQIFKCKG-----TFVGHGQPVWCLCYVSMGDLFFSGS 415

Search completed: December 19, 2002, 14:59:20
 Job time : 21 secs

